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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/753,061	01/08/2004	Johan Boelens	HO-US045003	2469
22919	7590	08/30/2007	EXAMINER	
GLOBAL IP COUNSELORS, LLP			MCDOWELL, SUZANNE E	
1233 20TH STREET, NW, SUITE 700			ART UNIT	PAPER NUMBER
WASHINGTON, DC 20036-2680			1732	
			MAIL DATE	DELIVERY MODE
			08/30/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/753,061	BOELENS ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Suzanne E. McDowell	1732	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

1)  Responsive to communication(s) filed on 03 May 2007.

2a)  This action is **FINAL**.                    2b)  This action is non-final.

3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

4)  Claim(s) 1-20 is/are pending in the application.  
4a) Of the above claim(s) 19 and 20 is/are withdrawn from consideration.

5)  Claim(s) \_\_\_\_\_ is/are allowed.

6)  Claim(s) 1-18 is/are rejected.

7)  Claim(s) \_\_\_\_\_ is/are objected to.

8)  Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

9)  The specification is objected to by the Examiner.

10)  The drawing(s) filed on \_\_\_\_\_ is/are: a)  accepted or b)  objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)  The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

12)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a)  All    b)  Some \* c)  None of:  
1.  Certified copies of the priority documents have been received.  
2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_.  
3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1)  Notice of References Cited (PTO-892)  
2)  Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3)  Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date 2/3/04.

4)  Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_.  
5)  Notice of Informal Patent Application  
6)  Other: \_\_\_\_.

## DETAILED ACTION

### *Election/Restrictions*

1. Applicant's election of group I, claims 1-18 in the reply filed on 5/3/07 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).
2. Claims 19 and 20 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim. Election was made without traverse in the reply filed on 5/3/07.

### *Specification*

3. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.
4. The abstract of the disclosure is objected to because it is not descriptive. The abstract is drawn to a method of trimming, yet there are no trimming steps disclosed in the specification or the claims. Correction is required. See MPEP § 608.01(b).

### *Claim Rejections - 35 USC § 112*

5. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
6. Claims 1-18 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The preambles to the claims are drawn to a method of trimming, yet there are no trimming steps in the specification or the claims.

*Claim Rejections - 35 USC § 103*

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. Claims 1-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hess (US Patent 5,066,298) in view of Ravenscroft et al. (US Patent 6,110,192) or, in the alternative, Almeleh et al. (EP 0834293). Hess teaches the basic method claimed as follows: providing an angioplasty catheter (10) with a balloon (14) portion; wrapping the balloon portion in collapsed condition with tape (18) which may be PTFE (column 3, lines 20-24); heating the wrapped portion (column 3, lines 40-45); and removing the tape (18) to result in a catheter with a balloon portion that is substantially compressed (column 3, lines 48-54 and see Fig. 3). Hess does not teach that the wrapping creates protrusions on the balloon. Ravenscroft et al. and Almeleh et al. both teach catheters which have protrusions on the balloon portion (Ravenscroft et al., see Fig. 2 and column 4, lines 32-36; and see Figs. 7-8 and column 5, lines 12-30; Almeleh et al., see element nos. 10 and 13 and column 3, lines 10-30)). It would have been obvious to a person of ordinary skill in the art at the time of the invention to use the teachings of Ravenscroft et al. or, in the alternative, Almeleh et al., to modify the method taught by Hess, in order to form a balloon with protrusions thereon. The motivation to use the teachings of Ravenscroft et al. or, in the alternative, Almeleh et al., to modify

the method taught by Hess is that all are in the same field of endeavor, that of forming catheter balloons by molding processes. The desirability of a balloon with protrusions thereon is taught by Almeleh et al. (column 3, lines 33-36) and also by Ravenscroft et al. (column 6, lines 45-50).

Regarding claims 6, 7, 13, and 14, Hess does not specifically teach that the wrapping is done manually or by machine. It is generally well known in the art to wrap catheter balloons either manually or by machine, particularly when folding the balloon. It would have been obvious to a person of ordinary skill in the art at the time of the invention to use generally well known methods, such as wrapping manually or by machine, to further define the method taught by Hess, in order to quickly and easily form a balloon with the desired finished characteristics.

### *Conclusion*

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Suzanne E. McDowell whose telephone number is (571) 272-1205. The examiner can normally be reached on Tuesday-Friday 7am-7pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christina Johnson can be reached on (571) 272-1176. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

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For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Suzanne E. McDowell/  
Suzanne E. McDowell  
Primary Examiner  
Art Unit 1732

SEM  
August 1, 2007